

ABSTRACT

Methods and compositions for use of human dendritic cells to activate T cells for immunotherapeutic responses against primary and metastatic prostate cancer are disclosed. In one embodiment, human dendritic cells, after exposure to a prostate cancer antigen or specific antigenic peptide, are administered to a prostate cancer patient to activate the relevant T cell responses *in vivo*. In an alternate embodiment, human dendritic cells are exposed to a prostate cancer antigen or specific antigenic peptide *in vitro* and incubated or cultured with primed or unprimed T cells to activate the relevant T cell responses *in vitro*. The activated T cells are then administered to a prostate cancer patient. Methods and compositions for human dendritic cells with extended life span and cryopreserved dendritic cells are disclosed.

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